

**A MEDIA PROCESSING SYSTEM AND METHOD**  
**ABSTRACT OF THE DISCLOSURE**

A media processing system is provided including a DRAM that includes a plurality of storage locations for storing digital data being processed by said media processing system, said digital data including video data that is compressed in a standardized format, a system for processing said digital data that includes said standardized format compressed video data to produce compressed video images and image data, a system for decoding said standardized format compressed video images to generate full motion video pixel data, a system for sharing said DRAM between said processing means and said decoding means, and a system for producing a full motion video signal from said full motion video pixel data. The media processing system may also have a system for multiplying or combining a first pixel by a second pixel in a single clock cycle. The media processing system may have a plurality of processing elements connected together in parallel, a system for controlling said processing elements with instruction words that have a predetermined number of instructions, and a system for distributing data simultaneously to each of said processing elements.

DE 7004548 v1